

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H05B41/295 H05B41/298 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 H05B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. US 2002/140376 A1 (KAMATA MASAHIKO ET AL) 1,6,8, 3 October 2002 (2002-10-03) 10,15, 18-20 paragraph '0016! - paragraph '0022!; 7,9,17 figure 7 paragraph '0034! paragraph '0051! paragraph '0105!; claims 1-3 X US 5 854 538 A (KRUMMEL PETER) 1,10,18 29 December 1998 (1998-12-29) column 5, line 30 - line 44; figure 5 US 2003/076055 A1 (HOOIJER CHRISTOFHER 9,17 DANIEL CHA ET AL) 24 April 2003 (2003-04-24) last sentence, paragraph 19; figure 1 A 1-8, 10-16, 18-20 Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: •T• later document published after the international filing date or priority date and not in conflict with the application but "A" document defining the general state of the art which is not cited to understand the principle or theory underlying the considered to be of particular relevance invention "E" earlier document but published on or after the international *X* document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to *L* document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an Inventive step when the "O" document referring to an oral disclosure, use, exhibition or document is combined with one or more other such docuother means ments, such combination being obvious to a person skilled in the art. document published prior to the international filing date but later than the priority date claimed *&* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 20/10/2004 8 October 2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Henderson, R Fax: (+31-70) 340-3016

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